

DNA Loading Buffer (5X, GelRed)

R751628

Store at 4°C , and store at -20°C for long time

Introduction:

GelRed is a new type of nucleic acid dye. This unique oily macromolecule is not easy to volatilize and sublimate, nor is it easily inhaled into the human body. It cannot penetrate the cell membrane and enter living cells. Moreover, at the gel staining concentration, it has no mutagenicity. It features safety in use, high detection sensitivity, etc. It can be used as a staining agent for various nucleic acid electrophoresis and is suitable for staining of fragments of various sizes. It is a perfect substitute for EB. This 5x DNA Loading Buffer with GelRed (containing the dye), which is mixed with the sample and used for spot staining.

Usage method:

1. Mix 4 μ l of the sample (<500 ng) with 1 μ l of 5x DNA Loading Buffer with GelRed (containing the dye), let it stand at room temperature for 2 minutes, and then load the sample.
2. It is recommended to use 1.0-2.0% Agarose, with a voltage of 4-10 v/cm, and perform electrophoresis in 1x TAE (preferred) or 0.5x TBE buffer solution. Pay attention to replacing the electrophoresis buffer solution in a timely manner and using newly prepared gels to achieve ideal results.
3. No additional dye is required to be added to the agarose gel. After electrophoresis, the electrophoresis bands can be directly observed under an ultraviolet lamp. The dye is compatible with commonly used ultraviolet lamps.

Matters needing attention:

1. This product is for R&D only. Not for drug, household, or other uses.
2. For your safety and health, please wear a lab coat and disposable gloves during the operation.